USER'S MANUAL

MICRO SMOKE ALARM

Model SM210M

10-YEAR SEALED BATTERY

IMPORTANT! PLEASE READ CAREFULLY AND SAVE.

The warnings/limitations card and manual contains important information about your Smoke Alarm's operation. If you are installing this Alarm for use by others, you must leave this manual—or a copy of it—with the end user. Para el manual del usuario en español, por favor visite firstalert.com



O1 INTRODUCTION

 $Thank you for choosing First Alert^{\circledcirc} for your Smoke Alarm needs. You have purchased a state-of-the-art Smoke Alarm needs. The purchased a state-of-the-art Smoke Alarm needs are purchased as the purchased and the purchased and the purchased as the purchased$ designed to provide you with early warning of a fire. Please take the time to read this manual and make the Smoke Alarm an integral part of your family's safety plan.

BASIC SAFETY INFORMATION

A WARNING!

- . This unit will not alert hearing impaired residents. It is recommended that you install special units which use devices ike flashing strobe lights to alert hearing impaired residents Do not connect this unit to any other Alarm or auxiliary device. It is a single-station unit that cannot be linked to other
- evices. Connecting anything else to this unit may prevent it from working properly
- . Unit will not operate without battery power. The Smoke Alarm will not work until activated

A CAUTION!

- Do not install this unit over an electrical junction box. Air currents around junction boxes can prevent smoke from reaching the sensing chamber and prevent the unit from Alarming. Only AC powered units are intended for installation
- . Do not stand too close to the unit when the Alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.

 Do not paint over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from
- operating properly.

02 ABOUT SMOKE ALARMS

TYPES OF ALARMS

All these Smoke Alarms are designed to provide early warning of fires if located, installed and cared for as described in the user's manual, and if smoke reaches the Alarm. If you are unsure which type of unit to install, refer to NFPA (National Fire Protection Association) 72 (National Fire Alarm and Signaling Code) and NFPA 101 (Life Safety Code). National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269-9101. Local building codes may also require specific units in new construction or in different areas of the home.

Battery (DC) operated Smoke Alarms: Provide protection even when electricity fails, provided the batteries are fresh and correctly installed. Units are easy to install, and do not require professional installation. They do not, however, provide interconnected functionality.

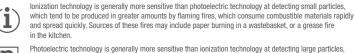
 $\textbf{AC powered Smoke Alarms:} \ Can be interconnected so if one unit senses smoke, all units Alarm. They do not operate if$ AC with battery (DC) back-up: will operate if electricity fails, provided the batteries are fresh and correctly installed. AC and AC/DC units must be installed by a qualified electrician.

Smoke Alarms for Solar or wind energy users and battery backup power systems: AC powered Smoke Alarms should only be operated with true or pure sine wave inverters. Operating this Smoke Alarm with most battery pov UPS (uninterruptible power supply) products or square wave or "quasi sine wave" inverters will damage the Alarm. If you are not sure about your inverter or UPS type, please consult with the manufacturer to verify.

Smoke Alarms for the hearing impaired: Special purpose Smoke Alarms should be installed for the hearing impaired. They include a visual Alarm and an audible Alarm horn, and meet the requirements of the Americans with Disabilities Act. These units can be interconnected so if one unit senses smoke, all units Alarm. Smoke Alarms are not to be used with detector guards unless the combination has been evaluated and found suitable

All First Alert® Smoke Alarms conform to regulatory requirements, including UL217 and are designed to detect

particles of combustion. Smoke particles of varying number and size are produced in all fires.



which tend to be produced in greater amounts by smoldering fires, which may smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding.

For maximum protection, use both types of Smoke Alarms on each level and in every bedroom of your home.

03 INSTALLATION

BEFORE YOU INSTALL THIS SMOKE ALARM

IMPORTANT!

Read "Recommended Locations for Smoke Alarms" and "Locations to Avoid for Smoke Alarms" before beginning. This unit monitors the air, and when smoke reaches its sensing chamber, it Alarms. It can give you more time to escape before fire spreads. This unit can ONLY give an early warning of developing fires if it is installed, maintained and located where smoke can reach it, and where all residents can hear it, as described in this manual. This unit will not sense gas, heat, or flame. It cannot prevent or extinguish fires.

Understand The Different Type of Smoke Alarms: Battery powered or electrical? Different Smoke Alarms provide different types of protection. See "About Smoke Alarms" for details.

Know Where To Install Your Smoke Alarms: Fire Safety Professionals recommend at least one Smoke Alarm on every level of your home, in every bedroom, and in every bedroom hallway or separate sleeping area. See "Recommer Locations for Smoke Alarms" and "Locations to Avoid for Smoke Alarms" for details.

 $\textbf{Know What Smoke Alarms Can and Can't Do:} \ A \ Smoke \ Alarm \ can help \ alert \ you \ to \ fire, \ giving \ you \ precious \ time \ to$ escape. It can only sound an Alarm once smoke reaches the sensor. See "Limitations of Smoke Alarms" for details Check Your Local Building Codes: This Smoke Alarm is designed to be used in a typical single family home. It alone

Action What You Will See & Hear Normal Operation Red LED flash every 6 minutes. No audible Alarm. Inside every bedroom, especially if people sleep with the door partly or completely closed.
 In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each. **Test Condition** Rapidly flashing red LED, Audible Alarm, Rapidly flashing red LED, Audible Alarm, Red LED flash every 10 seconds. No audible Alarm. Silence Mode • For additional coverage, install Alarms in all rooms, halls, and storage areas, where temperatures normally remain **Low Battery** 1 chirp every 43 seconds. End of Life

04 ALARM FEATURES

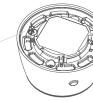
- . Micro Design: Small but mighty, same protection as a regular sized Alarm.
- No Battery Replacements: For the life of the Alarm.
 Easy Installation: Add protection in minutes.
- End-Of-Life Warning: Let's you know when it's time to replace.

TO PERMANENTLY DEACTIVATE THE SMOKE ALARM

into the space shown. Turn 90° clockwise a quarter turn until you hear a click. Once you hear the click, the device will be

NOTE: At end of life or low battery indication (chirp): unit must be put into deactivation mode to deactivate remaining stored energy in battery. Unit will no longer function once put into this mode. Unit will resist re-mounting





05 TESTING & MAINTENANCE

- NEVER use an open flame of any kind to test this unit. You might accidentally damage or set fire to the unit
- If the Alarm ever fails to test properly, replace it immediately. Products under warranty may be returned to the
- . **DO NOT** stand close to the Alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. When testing, step away when horn starts sounding.

A CAUTION!

It is important to test this unit every week to make sure it is working properly. Using the Test/Silence button is the recommended way to test this Smoke Alarm Press and hold the Test/Silence button on the cover of the unit until the Alarm sounds (the unit may continue to Alarm for a few seconds after you release the button). If it does not Alarm, make sure the unit is receiving power and test it again. If it still does not Alarm, replace it immediately. During testing, you will hear an audible Alarm and see a rapidly flashing red LED. If you hear 6 or more chirps before the audible Alarm and flashing red LED, this means your Alarm detected smoke in the last 24 hours or so. You will only hear this indicator once



REGULAR MAINTENANCE

keep it working properly.

- . Test it at least once a week
- brush attachment, and test the Smoke Alarm after cleaning. Never use water, cleaners or solvents since they may . If the Smoke Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be cleaned to avoid
- inwanted Alarms, replace the unit immediately. . If the green power LED flashes 2 times every minute (horn is silent) it means that the Alarm needs to be cleaned as
- Warning). This Low Battery Warning should last for up to 30 days, but you should replace the Smoke Alarm mmediately to continue your protection.
- Protect or cover the alarm when doing any maintenance to home i.e. sanding floors, painting, drywall patching, etc. to prevent contamination.

IF THE ALARM	PROBLEM	YOU SHOULD
Horn sounds 3 "chirps" every 43 seconds.	MALFUNCTION SIGNAL. Device is not working properly, and needs to be replaced.	If unit is under warranty, contact Consumer Support to process a warranty replacement.
Horn sounds 5 "chirps" every 43 seconds.	END OF LIFE SIGNAL. Alarm needs to be replaced.	Immediately replace the Alarm.

5 chirps approximately every 43 seconds. 3 chirps every 43 seconds. Malfunction

After 10 years of operation or Low Battery/End of Life Warnings, deactivate the Alarm: Insert a Phillips head screwdrive





WEEKLY TESTING

A WARNING!

- or to your home.
- nanufacturer for replacement. See "Limited Warranty" for details.



This unit has been designed to be as maintenance free as possible, but there are a few simple things you must do to

- Clean the Smoke Alarm at least once a month; gently vacuum off any dust using your household vacuum's soft
- indicated above. If red light continues to flash, replace Alarm.

 Relocate the unit if it sounds frequent unwanted Alarms. See "Locations to Avoid for Smoke Alarms" for details.
- . When the battery becomes weak, the Smoke Alarm unit will "chirp" approximately once a minute (the Low Battery

Actual service life depends on the Smoke Alarm and the environment in which it is installed. You MUST replace the Smoke Alarm immediately once the unit starts "chirping" (the "Low Battery Warning")

TROUBLESHOOTING GUIDE					
IF THE ALARM	PROBLEM	YOU SHOULD			
Horn sounds 3 "chirps" every 43 seconds.	MALFUNCTION SIGNAL. Device is not working properly, and needs to be replaced.	If unit is under warranty, contact Consumer Support to process a warranty replacement.			
Horn sounds 5 "chirps" every 43 seconds.	END OF LIFE SIGNAL. Alarm needs to be replaced.	Immediately replace the Alarm.			

FIRE SAFFTY TIPS

Smoke Alarm sounds when no

Power LED flashes Green 2

Consumer Support Team at 1-800-323-9005.

smoke is visible.

times every minute

Follow safety rules and prevent hazardous situations: 1) Use smoking materials properly. Never smoke in bed. 2) Keep matches or lighters away from children; 3) Store flammable materials in proper containers; 4) Kep electrical appliances in good condition and don't overload electrical circuits; 5) Keep stoves, barbecue grills, fireplaces and chimneys greaseand debris-free; 6) Never leave anything cooking on the stove unattended; 7) Keep portable heaters and open flames ike candles, away from flammable materials; 8) Don't let rubbish accumulate. Keep Alarms clean, and test them weekly. Replace Alarms immediately if they are not working properly. Smoke Alarms that do not work cannot alert you to a fire. Keep at least one working fire extinguisher on every level, and an additional one in the kitchen. Have fire escape ladders or other reliable means of escape from an upper level in case stairs are blocked; 9) Have an escape plan and practice it regularly.

Unwanted Alarm may be

caused by nonemergency

source like cooking smoke

If you have questions that cannot be answered by reading this manual, call the

ence Alarm using manual button; clean

the Alarm's cover with a soft, clean cloth.

relocate your Alarm, Alarm may be too

close to a kitchen, cooking appliance, or

Clean Alarm then press and release the test

button. See Regular Maintenance section.
If Green LED Continues to flash, contact

Consumer Support.

06 IF THIS SMOKE ALARM SOUNDS

$During \ an \ Alarm, you \ will \ hear \ a \ loud, \ repeating \ horn \ pattern: \ 3 \ beeps, \ pause, \ 3 \ beeps, \ pause. \ The \ Red \ LED \ flashes \ rapidly.$

RESPONDING TO AN ALARM

A WARNING! If the unit Alarms get everyone out of the house immediately.

your immediate attention. **NEVER** ignore any Alarm. Ignoring the Alarm may result in injury or death.

Never remove the batteries from a battery operated Smoke Alarm to stop an unwanted Alarm (caused by cooking smoke, etc.), Removing batteries disables the Alarm so it cannot sense smoke, and removes your protection, Instead open a window or fan the smoke away from the unit. The Alarm will reset automatically

If the unit Alarms and you are not testing the unit, it is warning you of a potentially dangerous situation that requires

- WHAT TO DO IN CASE OF FIRE
- Get out of the house as quickly as possible. Don't stop to get dressed or collect anything.

 Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Don't open a hot door.
- Meet at your planned meeting place outside your home, and do a head count to make sure everybody got out safely.
- . Contact your Fire Department for ideas on making your home safer

A WARNING!

The Silence Feature can temporarily quiet an unwanted Alarm for up to 9 minutes. To use this feature, press the Test/

A WARNING!

The Silence Feature does not disable the unit-it makes it temporarily less sensitive to smoke. For your safety, if smoke around the unit is dense enough to suggest a potentially dangerous situation, the unit will stay in Alarm or may re-Alarm quickly. If you do not know the source of the smoke, do not assume it is an unwanted Alarm. Not responding to an Alarm can result in property loss, injury, or death.

The Red light flashes normally, once every 6 minutes, during Low Battery Warning silence. After time, the low battery "chirp" will resume. Deactivate the Smoke Alarm and replace it immediately. IF YOU SUSPECT A PROBLEM

Smoke Alarms may not operate properly because of a dead or weak battery, a build-up of dirt, dust or grease on the Smoke Alarm cover, or installation in an improper location. Clean the Smoke Alarm as described in "Regular Maintenance," and then test the Smoke Alarm again. If it fails to test properly when you use the test button, or if the

problem persists, replace the Smoke Alarm imm If you hear a "chirp" about once a minute, replace the Smoke Alarm. • If you experience frequent non-emergency Alarms (like those caused by cooking smoke), try relocating

. If the Alarm sounds when no smoke is visible, try cleaning or relocating the Smoke Alarm. The cover may be dirty

Do not try fixing the Alarm yourself — this will void your warranty!

08 REGULATORY INFORMATION FOR SMOKE ALARMS

RECOMMENDED LOCATIONS FOR SMOKE ALARMS

INSTALLING SMOKE ALARMS IN SINGLE-FAMILY RESIDENCES The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every level, in every sleeping area and in every bedroom. In new construction, the Smoke Alarms must be AC powered and interconnected. See "Agency Placement Recommendations" for details. For additional coverage, it is recommended that you install a Smoke Alarm in all rooms, halls, storage areas, finished attics, and basements, where temperatures normally remain between 40° F (4.4° C) and 100° F (37.8° C). Make sure no door or other obstruction could keep smoke from reaching the Smoke Alarms

FIRST ALERT

MICRO SMOKE ALARM 10-YEAR SEALED BATTERY

Model SM210M

USER'S MANUAL

IMPORTANTI PLEASE READ CAREFULLY AND SAVE. tions card and manual contains important information about your Smoke Alarm's operation. If you are installing this Alarm for use

by others, you must leave this manual—or a copy of it—with the end user.

Para el manual del usuario en español, por favor visite firstalert.com



01 INTRODUCTION

Thank you for choosing First Alert® for your Smoke Alarm needs. You have purchased a state-of-the-art Smoke Alarm designed to provide you with early warning of a fire. Please take the time to read this manual and make the Smoke Alarm

an integral part of your family's safety plan BASIC SAFETY INFORMATION **▲ WARNING!**

 Do not connect this unit to any other Alarm or auxiliary device. It is a single-station unit that cannot be linked to other evices. Connecting anything else to this unit may prevent it from working properly . Unit will not operate without battery power. The Smoke Alarm will not work until activated A CAUTION!

This unit will not alert hearing impaired residents. It is recommended that you install special units which use devices

- Do not install this unit over an electrical junction box. Air currents around junction boxes can prevent smoke from reaching the sensing chamber and prevent the unit from Alarming. Only AC powered units are intended for installation
- Do not stand too close to the unit when the Alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.

 Do not paint over the unit. Paint may clog the openings to the sensing chamber and prevent the unit from

02 ABOUT SMOKE ALARMS

ike flashing strobe lights to alert hearing impaired residents

TYPES OF ALARMS

operating properly.

All these Smoke Alarms are designed to provide early warning of fires if located, installed and cared for as described in the user's manual, and if smoke reaches the Alarm. If you are unsure which type of unit to install, refer to NFPA (National Fire Protection Association) 72 (National Fire Alarm and Signaling Code) and NFPA 101 (Life Safety Code). National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269-9101. Local building codes may also require specific units in new construction or in different areas of the home.

and correctly installed. Units are easy to install, and do not require professional installation. They do not, however, provide interconnected functionality. $\textbf{AC powered Smoke Alarms:} \ Can be interconnected so if one unit senses smoke, all units Alarm. They do not operate if$

Battery (DC) operated Smoke Alarms: Provide protection even when electricity fails, provided the batteries are fresh

AC with battery (DC) back-up: will operate if electricity fails, provided the batteries are fresh and correctly installed. AC and AC/DC units must be installed by a qualified electrician. Smoke Alarms for Solar or wind energy users and battery backup power systems: AC powered Smoke Alarms should only be operated with true or pure sine wave inverters. Operating this Smoke Alarm with most battery p UPS (uninterruptible power supply) products or square wave or "quasi sine wave" inverters will damage the Alarm. If

you are not sure about your inverter or UPS type, please consult with the manufacturer to verify Smoke Alarms for the hearing impaired: Special purpose Smoke Alarms should be installed for the hearing impaired. They include a visual Alarm and an audible Alarm horn, and meet the requirements of the Americans with Disabilities Act. These units can be interconnected so if one unit senses smoke, all units Alarm.

Smoke Alarms are not to be used with detector guards unless the combination has been evaluated and found suitable $\textbf{All First Alert}^{\otimes} \textbf{ Smoke Alarms conform to regulatory requirements, including UL217 and are designed to detect}$ particles of combustion. Smoke particles of varying number and size are produced in all fires.

lonization technology is generally more sensitive than photoelectric technology at detecting small particles, which tend to be produced in greater amounts by flaming fires, which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a wastebasket, or a grease fire in the kitchen. Photoelectric technology is generally more sensitive than ionization technology at detecting large particles,

which tend to be produced in greater amounts by smoldering fires, which may smolder for hours before

bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding. For maximum protection, use both types of Smoke Alarms on each level and in every bedroom of your home.

03 INSTALLATION BEFORE YOU INSTALL THIS SMOKE ALARM

IMPORTANT! led Locations for Smoke Alarms" and "Locations to Avoid for Smoke Alarms" before beginning. Thi

fire spreads. This unit can ONLY give an early warning of developing fires if it is installed, maintained and located where smoke can reach it, and where all residents can hear it, as described in this manual. This unit will not sense gas, heat, or Understand The Different Type of Smoke Alarms: Battery powered or electrical? Different Smoke Alarms provide

Know Where To Install Your Smoke Alarms: Fire Safety Professionals recommend at least one Smoke Alarm on every level of your home, in every bedroom, and in every bedroom hallway or separate sleeping area. See "Recommended

Locations for Smoke Alarms" and "Locations to Avoid for Smoke Alarms" for details.

will not meet requirements for boarding houses, apartment buildings, hotels or motels. See "Special Compliance Considerations" for details. IN GENERAL. INSTALL SMOKE ALARMS:

 Inside every bedroom, especially if people sleep with the door partly or completely closed.
 In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each. • If a hall is more than 40 feet (12 meters) long, install a unit at each end.

. On every level of your home, including finished attics and basements

At the bottom of the basement stairs. $\bullet \quad \text{For additional coverage, install Alarms in all rooms, halls, and storage areas, where temperatures normally remain} \\$ between 40° F and 100° F (4.4° C and 37.8° C).





Carbon Monoxide Alarm One on every level and in every bedroom

Mounting Hole Sets

Specific requirements for Smoke Alarm installation vary from state to state and from region to region. Check with your ended AC or AC/DC units be inter ocal Fire Department for current requirements in your area. It is recomn

for added protection.

combustion particles (stove, furnace, water heater, space heater) if possible. In areas where a 20-foot (6-meter) distance is not possible – in modular, mobile, or smaller homes, for example – it is recommended the Smoke Alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these Alarms at a reasonable distance from a fuel-burning source, and thus reduce "unwanted" Alarms

- In air streams near kitchens. Air currents can draw cooking smoke into the sensing chamber of a Smoke Alarm near the kitchen.
- tdoor rooms, porches, or unfinished attics or ba In very dusty, dirty, or greasy areas. Do not install a Smoke Alarm directly over the stove or range. Keep laundry room

• Near fresh air vents, ceiling fans, or in very drafty areas. Drafts can blow smoke away from the unit, preventing it

• In "dead air" spaces. "Dead air" spaces may prevent smoke from reaching the Smoke Alarm.

from reaching the sensing chamber. In insect infested areas. Insects can clog openings to the sensing chamber and cause unwanted Alarms. Less than 12 inches (305mm) away from fluorescent lights. Electrical "noise" can interfere with the sensor.

Smoke Alarms free of dust or lint.

AVOIDING DEAD AIR SPACES

"Dead air" spaces may prevent smoke from reaching the Smoke Alarm. To avoid dead air spaces, follow the installation

nm) and 12 inches (305 mm) from the wall/ceiling line, below typical "dead air" space On a peaked, gabled, or cathedral ceiling, install the first Smoke Alarm within 3 feet (0.9 meters) of the peak of the ceiling, measured horizontally. Additional Smoke Alarms may be required depending on the length, angle, etc. of the ceiling's slope. Refer to NFPA 72 for details on requirements for sloped or peaked ceilings.

HOW TO INSTALL THIS ALARM This unit is designed to be mounted on the ceiling, or on the wall if necessary.

Tools you will need: pencil, drill with 3/16" (5 mm) drill bit, standard Phillips head screwdriver, hammer. THE PARTS OF THE

	ALARM	3	
1 Te	est/Silence button		
2 M	lounting Bracket		6
3 D	eactivation Tab		, /
4 B	ase Nameplate		
5 M	lounting Holes		14
6 B	racket Nameplate	5	
		2	<i>III</i> ,

FOLLOW THESE SIMPLE STEPS Attach the mounting bracket to the wall or ceiling as follows: Use the two fixing

holes. With an appropriately sized drill, drill the holes and insert the plastic fixing anchors supplied (if needed). See diagram. NOTE: Do not remove labels from the Alarm. $2. \ \ \textbf{Install Mounting Bracket:} \ \text{Fit the mounting bracket to the ceiling or wall}$

using the screws provided. Ensure that the screw heads are flush. Insert the plastic screw anchors (in the plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall.



Action What You Will See & Hear Red LED flash every 6 minutes. No audible Alarm. Normal Operation **Test Condition** Rapidly flashing red LED, Audible Alarm, Rapidly flashing red LED, Audible Alarm, Red LED flash every 10 seconds. No audible Alarm. Silence Mode Low Battery 1 chirp every 43 seconds. End of Life 5 chirps approximately every 43 seconds Malfunction 3 chirps every 43 seconds.

04 ALARM FEATURES

 No Battery Replacements: For the life of the Alarm.
 Easy Installation: Add protection in minutes. End-Of-Life Warning: Let's you know when it's time to replace. TO PERMANENTLY DEACTIVATE THE SMOKE ALARM

After 10 years of operation or Low Battery/End of Life Warnings, deactivate the Alarm: Insert a Phillips head screwdriver into the space shown. Turn 90° clockwise a quarter turn until you hear a click. Once you hear the click, the device will be NOTE: At end of life or low battery indication (chirp): unit must be put into deactivation mode to deactivate remaining





05 TESTING & MAINTENANCE

WEEKLY TESTING A WARNING!

NEVER use an open flame of any kind to test this unit. You might accidentally damage or set fire to the unit or to your home. . If the Alarm ever fails to test properly, replace it immediately. Products under warranty may be returned to the

When testing, step away when horn starts sounding. A CAUTION! It is important to test this unit every week to make sure it is working properly. Using the Test/Silence button is the recommended way to test this Smoke Alarm Press and hold the Test/Silence button on the cover of the unit until the Alarm

keep it working properly.

 If the Smoke Alarm becomes contaminated by excessive dirt, dust and/or grime, and cannot be cleaned to avoid inwanted Alarms, replace the unit immediately. . If the green power LED flashes 2 times every minute (horn is silent) it means that the Alarm needs to be cleaned as

 Protect or cover the alarm when doing any maintenance to home i.e. sanding floors, painting, drywall patching, etc. to prevent contamination. Actual service life depends on the Smoke Alarm and the environment in which it is installed. You MUST replace the

. When the battery becomes weak, the Smoke Alarm unit will "chirp" approximately once a minute (the Low Battery

Warning). This Low Battery Warning should last for up to 30 days, but you should replace the Smoke Alarm

TROUBLESHOOTING GUIDE				
IF THE ALARM	PROBLEM	YOU SHOULD		
Horn sounds 3 "chirps" every 43 seconds.	MALFUNCTION SIGNAL. Device is not working properly, and needs to be replaced.	If unit is under warranty, contact Consumer Support to process a warranty replacement.		
Horn sounds 5 "chirps" every 43 seconds.	END OF LIFE SIGNAL. Alarm needs to be replaced.	Immediately replace the Alarm.		

Smoke Alarm sounds when no smoke is visible. Power LED flashes Green 2 times every minute Consumer Support Team at 1-800-323-9005.

FIRE SAFETY TIPS

practice it regularly.

Follow safety rules and prevent hazardous situations: 1) Use smoking materials properly. Never smoke in bed. 2) Keep matches or lighters away from children; 3) Store flammable materials in proper containers; 4) Keep electrical appliances in good condition and don't overload electrical circuits; 5) Keep stoves, barbecue grills, fireplaces and chimneys grease and debris-free; 6) Never leave anything cooking on the stove unattended; 7) Keep portable heaters and open flames, like candles, away from flammable materials; 8) Don't let rubbish accumulate. Keep Alarms clean, and test them weekly. Replace Alarms immediately if they are not working properly. Smoke Alarms that do not work cannot alert you to a fire. Keep at least one working fire extinguisher on every level, and an additional one in the kitchen. Have fire escape adders or other reliable means of escape from an upper level in case stairs are blocked; 9) Have an escape plan and

During an Alarm, you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause. The Red LED flashes rapidly.

A WARNING If the unit Alarms get everyone out of the house immediately If the unit Alarms and you are not testing the unit, it is warning you of a potentially dangerous situation that requires

open a window or fan the smoke away from the unit. The Alarm will reset automatically. WHAT TO DO IN CASE OF FIRE

Keep doors and windows closed, unless you must escape through them Cover your nose and mouth with a cloth (preferably damp). Take short, shallow breaths. Meet at your planned meeting place outside your home, and do a head count to make sure everybody got out safely.

· Contact your Fire Department for ideas on making your home safer A WARNING!

Alarms have various limitations. See "General Limitations of Smoke Alarms" for details

O7 USING THE SILENCE FEATURE The Silence Feature can temporarily quiet an unwanted Alarm for up to 9 minutes. To use this feature, press the Test/

A WARNING! The Silence Feature does not disable the unit—it makes it temporarily less sensitive to smoke. For your safety, if

his Silence Feature can temporarily quiet the Low Battery Warning "chirp". Press the Test/Silence button on the Alarm. The Red light flashes normally, once every 6 minutes, during Low Battery Warning silence. After time, the low battery "chirp" will resume. Deactivate the Smoke Alarm and replace it immediately

Smoke Alarms may not operate properly because of a dead or weak battery, a build-up of dirt, dust or grease on the Smoke Alarm cover, or installation in an improper location. Clean the Smoke Alarm as described in "Regular Maintenance," and then test the Smoke Alarm again. If it fails to test properly when you use the test button, or if the

the Smoke Alarm.

Do not try fixing the Alarm yourself — this will void your warranty!



RECOMMENDED LOCATIONS FOR SMOKE ALARMS INSTALLING SMOKE ALARMS IN SINGLE-FAMILY RESIDENCES

Get out of the house as guickly as possible. Don't stop to get dressed or collect anything. Feel doors with the back of your hand before opening them. If a door is cool, open it slowly. Don't open a hot door.

SILENCING THE LOW BATTERY WARNING

IF YOU SUSPECT A PROBLEM

problem persists, replace the Smoke Alarm immediate If you hear a "chirp" about once a minute, replace the Smoke Alarm. • If you experience frequent non-emergency Alarms (like those caused by cooking smoke), try relocating

If the Smoke Alarm is still not operating properly, and it is still under warranty, please see "How to Obtain Warranty Service" in the Limited Warranty.

 Don't panic; stay calm. Follow your family escape plan Keep doors and windows closed, unless you must escape through them. Cover your nose and mouth with a cloth (preferably damp). Take short, shallow breaths. Call the Fire Department as soon as possible from outside. Give your address, then your name
 Never go back inside a burning building for any reason.

Alarms have various limitations. See "General Limitations of Smoke Alarms" for details. **O7** USING THE SILENCE FEATURE

Silence button on the cover. If the unit will not silence and no heavy smoke is present, or if it stays in silence mode continuously, it should be replaced immediately. The LED will flash every 10 seconds while in silence.

SILENCING THE LOW BATTERY WARNING This Silence Feature can temporarily quiet the Low Battery Warning "chirp". Press the Test/Silence button on the Alarm.

If the Smoke Alarm is still not operating properly, and it is still under warranty, please see "How to Obtain Warranty

the Alarm's cover with a soft, clean cloth. Unwanted Alarm may be If frequent unwanted Alarms continue, relocate your Alarm. Alarm may be too source like cooking smoke close to a kitchen, cooking appliance, or

Clean Alarm then press and release the test

button. See Regular Maintenance section If Green LED Continues to flash, contact Consumer Support. If you have questions that cannot be answered by reading this manual, call the

06 IF THIS SMOKE ALARM SOUNDS RESPONDING TO AN ALARM

your immediate attention. NEVER ignore any Alarm. Ignoring the Alarm may result in injury or death. Never remove the batteries from a battery operated Smoke Alarm to stop an unwanted Alarm (caused by cooking smoke, etc.). Removing batteries disables the Alarm so it cannot sense smoke, and removes your protection. Instead

Don't panic; stay calm. Follow your family escape plan.

· Call the Fire Department as soon as possible from outside. Give your address, then your name. Never go back inside a burning building for any reason.

Silence button on the cover, If the unit will not silence and no heavy smoke is present, or if it stays in silence mode continuously, it should be replaced immediately. The LED will flash every 10 seconds while in silence.

smoke around the unit is dense enough to suggest a potentially dangerous situation, the unit will stay in Alarm or may re-Alarm quickly. If you do not know the source of the smoke, do not assume it is an unwanted Alarm. Not responding to an Alarm can result in property loss, injury, or death.

• If the Alarm sounds when no smoke is visible, try cleaning or relocating the Smoke Alarm. The cover may be dirty.



The National Fire Protection Association (NFPA), recommends one Smoke Alarm on every level, in every sleeping area,

C) and 100° F (37.8° C). Make sure no door or other obstruction could keep smoke from reaching the Smoke Alarms

and in every bedroom. In new construction, the Smoke Alarms must be AC powered and interconnected. See "Agency Placement Recommendations" for details. For additional coverage, it is recommended that you install a Smoke Alarm in all rooms, halls, storage areas, finished attics, and basements, where temperatures normally remain between 40° F (4.4°

• If a hall is more than 40 feet (12 meters) long, install a unit at each end.

for added protection.

Smoke Alarms free of dust or lint.

AVOIDING DEAD AIR SPACES

HOW TO INSTALL THIS ALARM

2 Mounting Bracket

4 Base Nameplate

5 Mounting Holes

6 Bracket Nameplate

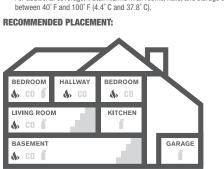
FOLLOW THESE SIMPLE STEPS

recommendations below.

Considerations" for details.

IN GENERAL INSTALL SMOKE ALARMS:

At the bottom of the basement stairs.



. On every level of your home, including finished attics and basements.

Smoke Alarm One on every level and in every bedroom Carbon Monoxide Alarm

One on every level and in every bedroom Fire Extinguisher One on every level, plus kitchen and garage

WHERE NOT TO INSTALL THIS ALARM FOR BEST PERFORMANCE, IT IS RECOMMENDED YOU AVOID INSTALLING SMOKE ALARMS IN THESE AREAS:

poorly ventilated kitchens, garages, and furnace rooms. Keep units at least 20 feet (6 meters) from the sources of combustion particles (stove, furnace, water heater, space heater) if possible. In areas where a 20-foot (6-meter) distance is not possible – in modular, mobile, or smaller homes, for example – it is recommended the Smoke Alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these Alarms at a reasonable distance from a fuel-burning source, and thus reduce "unwanted" Alarms, Inwanted Alarms can occur if a Smoke Alarm is placed directly next to a fuel-burning source. Ventilate these areas as much as possible.

Where combustion particles are produced. Combustion particles form when something burns, Areas to avoid include

Specific requirements for Smoke Alarm installation vary from state to state and from region to region. Check with your

local Fire Department for current requirements in your area. It is recommended AC or AC/DC units be inter

 $will \ not \ meet \ requirements \ for \ boarding \ houses, apartment \ buildings, hotels \ or \ motels. \ See \ ``Special \ Compliance$

• In air streams near kitchens. Air currents can draw cooking smoke into the sensing chamber of a Smoke Alarm near the kitchen. . In very damp, humid or steamy areas, or directly near bathrooms with showers. Keep units at least 10 feet (3 meters)

Near fresh air vents, ceiling fans, or in very drafty areas. Drafts can blow smoke away from the unit, preventing it

away from showers, saunas, dishwashers, etc. Where the temperatures are regularly below 40° F (4.4° C) or above 100° F (37.8° C), including unheated buildings, tdoor rooms, porches, or unfinished attics or ba • In very dusty, dirty, or greasy areas. Do not install a Smoke Alarm directly over the stove or range. Keep laundry room

from reaching the sensing chamber. In insect infested areas. Insects can clog openings to the sensing chamber and cause unwanted Alarms.
 Less than 12 inches (305mm) away from fluorescent lights. Electrical "noise" can interfere with the sensor. • In "dead air" spaces. "Dead air" spaces may prevent smoke from reaching the Smoke Alarm.

Alarm at least 4 inches (102 mm) from the wall or corner. For wall mounting (if allowed by building codes), the top edge of Smoke Alarms should be placed between 4 inches (102 mm) and 12 inches (305 mm) from the wall/ceiling line, below typical "dead air" space: On a peaked, gabled, or cathedral ceiling, install the first Smoke Alarm within 3 feet (0.9 meters) of the peak of the

ceiling, measured horizontally. Additional Smoke Alarms may be required depending on the length, angle, etc. of the ceiling's slope. Refer to NFPA 72 for details on requirements for sloped or peaked ceilings.

"Dead air" spaces may prevent smoke from reaching the Smoke Alarm. To avoid dead air spaces, follow the installation

On ceilings, install Smoke Alarms as close to the center of the ceiling as possible, If this is not possible, install the Smoke

This unit is designed to be mounted on the ceiling, or on the wall if necessary. Tools you will need: pencil, drill with 3/16" (5 mm) drill bit, standard Phillips head screwdriver, hammer THE PARTS OF THIS SMOKE ALARM 1 Test/Silence button

 $2. \ \ \textbf{Install Mounting Bracket:} \ \text{Fit the mounting bracket to the ceiling or wall}$ using the screws provided. Ensure that the screw heads are flush. Insert the plastic screw anchors (in the plastic bag with screws) into the holes. Tap the screw anchors gently with a hammer, if necessary, until they are flush with the ceiling or wall. . Activate Your Smoke Alarm: Position the Smoke Alarm over the mounting bracket and turn clockwise. You should

Attach the mounting bracket to the wall or ceiling as follows: Use the two fixing $% \left(1\right) =\left(1\right) \left(1\right)$

holes. With an appropriately sized drill, drill the holes and insert the plastic fixing anchors supplied (if needed). See diagram.

slots on the mounting ring as a guide when marking the position of the drill

Fire Extinguisher One on every level, plus kitchen and garage

WHERE NOT TO INSTALL THIS ALARM FOR BEST PERFORMANCE, IT IS RECOMMENDED YOU AVOID INSTALLING SMOKE ALARMS IN THESE AREAS: Where combustion particles are produced. Combustion particles form when something burns, Areas to avoid include poorly ventilated kitchens, garages, and furnace rooms. Keep units at least 20 feet (6 meters) from the sources of

 In very damp, humid or steamy areas, or directly near bathrooms with showers. Keep units at least 10 feet (3 meters) away from showers, saunas, dishwashers, etc. Where the temperatures are regularly below 40° F (4.4° C) or above 100° F (37.8° C), including unheated buildings,

On ceilings, install Smoke Alarms as close to the center of the ceiling as possible. If this is not possible, install the Smoke For wall mounting (if allowed by building codes), the top edge of Smoke Alarms should be placed between 4 inches (102

SMOKE ALA 1 Test/Si 2 Mount 3 Deacti 4 Base N

slots on the mounting ring as a guide when marking the position of the drill

. Micro Design: Small but mighty, same protection as a regular sized Alarm.

stored energy in battery. Unit will no longer function once put into this mode. Unit will resist re-mounting

anufacturer for replacement. See "Limited Warranty" for details. . DO NOT stand close to the Alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. sounds (the unit may continue to Alarm for a few seconds after you release the

Smoke Alarm immediately once the unit starts "chirping" (the "Low Battery Warning").

mmediately to continue your protection.

brush attachment, and test the Smoke Alarm after cleaning. Never use water, cleaners or solvents since they may indicated above. If red light continues to flash, replace Alarm.

Relocate the unit if it sounds frequent unwanted Alarms. See "Locations to Avoid for Smoke Alarms" for details.

button). If it does not Alarm, make sure the unit is receiving power and test it again. If it still does not Alarm, replace it immediately. During testing, you will hear an audible Alarm and see a rapidly flashing red LED. If you hear 6 or more chirps before the audible Alarm and flashing red LED, this means your Alarm detected smoke in the last 24 hours or so. You will only hear this indicator once. **REGULAR MAINTENANCE** This unit has been designed to be as maintenance free as possible, but there are a few simple things you must do to Clean the Smoke Alarm at least once a month; gently vacuum off any dust using your household vacuum's soft

damage the unit.

Mounting Hole Sets

six minutes under normal operation. Test Your Smoke Alarm. See "Weekly Testing."

different types of protection. See "About Smoke Alarms" for details.

Know What Smoke Alarms Can and Can't Do: A Smoke Alarm can help alert you to fire, giving you precious time to escape. It can only sound an Alarm once smoke reaches the sensor. See "Limitations of Smoke Alarms" for details Check Your Local Building Codes: This Smoke Alarm is designed to be used in a typical single family home. It alone

flame. It cannot prevent or extinguish fires.

unit monitors the air, and when smoke reaches its sensing chamber, it Alarms. It can give you more time to escape before

eel the Alarm click into place. The Alarm will self-activate once mounted. To ensure Alarm is activated, press and hold the test button. During testing you will hear a loud, repeating horn pattern: 3 beeps, pause, 3 beeps, pause. If the unit does not Alarm during testing, call consumer affairs for assistance. **NOTE:** The LED will flash approximately every six minutes under normal operation. Test Your Smoke Alarm. See "Weekly Testing.

NOTE: Do not remove labels from the Alarm.

Inwanted Alarms can occur if a Smoke Alarm is placed directly next to a fuel-burning source. Ventilate these areas as much as possible.

Activate Your Smoke Alarm: Position the Smoke Alarm over the mounting bracket and turn clockwise. You should eel the Alarm click into place. The Alarm will self-activate once mounted. To ensure Alarm is activated, press and hold the test button. During testing you will hear a loud, repeating horn pattern; 3 beeps, pause, 3 beeps, pause, If the unit does not Alarm during testing, call consumer affairs for assistance. **NOTE:** The LED will flash approximately every

MORE SPECIFICALLY, INSTALL SMOKE ALARMS:

- On every level of your home, including finished attics and basements
- side every bedroom, especially if people sleep with doors closed. In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each.
- If a hall is over 40 feet (12 meters) long, install an Alarm at each end.
 At the top of the first-to-second level stairway, and at bottom of basement stairway.

09 AGENCY PLACEMENT RECOMMENDATIONS

Specific requirements for Smoke Alarm Installation vary ITUIII State to State and House House House Installation vary ITUIII State to State and House House It is recommended AC or AC/DC units be interested.

ents for Smoke Alarm installation vary from state to state and from region to region. Check with your

NFPA 72 CHAPTER 29 "FOR YOUR INFORMATION, THE NATIONAL FIRE ALARM AND SIGNALING CODE, NFPA 72,

29.5.1* Required Detection

 $29.5.1.1^{\star}\,\text{Where required by other governing laws, codes, or standards for a specific type of occupancy, approved single}$ and multiple-station Smoke Alarms shall be installed as follows:

- 1. *In all sleeping rooms and guest rooms
- 2. *Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, with the distance measured along a path of travel
- 4. On every level of a residential board and care occupancy (small facility), including basements and excluding crawl
- 3. On every level of a dwelling unit, including basements
- spaces and unfinished attics 5. *In the living area(s) of a guest suite
- 6. In the living area(s) of a residential board and care occupancy (small facility)

Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety) (National Fire Alarm and Signaling Code® and NFPA 72® are registered trademarks of the National Fire Protection Association, Inc., Quincy, MA 02269).

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CALIFORNIA STATE FIRE MARSHAL (CSFM)

Early warning detection is best achieved by the installation of fire detection equipment in all rooms and areas of the household as follows: A Smoke Alarm installed in each separate sleeping area (in the vicinity, but outside bedrooms), and Heat or Smoke Alarms in the living rooms, dining rooms, bedrooms, kitchens, hallways, finished attics, furnace rooms, closets, utility and storage rooms, basements, and attached garages.

10 SPECIAL COMPLIANCE CONSIDERATIONS

This Smoke Alarm is suitable for use in apartments, condominiums, townhouses, hospitals, day care facilities, health care facilities, boarding houses, group homes and dormitories provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.

This Smoke Alarm alone is not a suitable substitute for complete fire detection systems in places housing many people—like apartment buildings, condominiums, hotels, motels, dormitories, hospitals, health care facilities, nursing nes, day care facilities, or group homes of any kind. It is not a suitable substitute for complete fire detection syste in warehouses, industrial facilities, commercial buildings, and special-purpose non-residential buildings which require special fire detection and Alarm systems. Depending on the building codes in your area, this Smoke Alarm may be used to provide additional protection in these facilities.

In new construction, most building codes require the use of AC or AC/DC powered Smoke Alarms only. In existing construction, AC, AC/DC, or DC powered Smoke Alarms can be used as specified by local building codes. THIS EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Refer to NFPA 101 (Life Safety Code), local building codes, or consult your Fire Department for detailed fire protection requirements in buildings not defined as "households"

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a reside installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
 Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that of the receiver.

Consult the dealer or an experienced radio or TV technician for help.

Changes or modifications to the product, not expressly approved by First Alert, could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including

11 GENERAL LIMITATIONS OF SMOKE ALARMS

Smoke Alarms have played a key role in reducing deaths resulting from home fires worldwide. However, like any warning device, Smoke Alarms can only work if they are properly located, installed, and maintained, and if smoke reaches them

Smoke Alarms may not waken all individuals. Practice the escape plan at least twice a year, making sure that everyone is involved – from kids to grandparents. Allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. If children or others do not readily waken to the sound of the Smoke Alarm, or if there are infants or family members with mobility limitations, make sure that someone is assigned to assist them in fire drill and in the event of an emergency. It is recommended that you hold a fire drill while family members are sleeping in order to determine their response to the sound of the Smoke Alarm while sleeping and to determine whether they may need assistance in the event of an emergency.

Smoke Alarms cannot work without power. Battery operated units cannot work if the batteries are missing, disconnected or dead, if the wrong type of batteries are used, or if the batteries are not installed correctly. AC units cannot ork if the AC power is cut off for any reason (open fuse or circuit breaker, failure along a power line or at a pov station, electrical fire that burns the electrical wires, etc.). If you are concerned about the limitations of battery or AC power, install both types of units.

Smoke Alarms cannot detect fires if the smoke does not reach the Alarms. Smoke from fires in chimneys or walls on roofs, or on the other side of closed doors may not reach the sensing chamber and set off the Alarm. That is why one unit should be installed inside each bedroom or sleeping area—especially if bedroom or sleeping area doors are closed at night-and in the hallway between them

MORE SPECIFICALLY, INSTALL SMOKE ALARMS:

- On every level of your home, including finished attics and basements
- side every bedroom, especially if people sleep with doors closed. In the hall near every sleeping area. If your home has multiple sleeping areas, install a unit in each.
- If a hall is over 40 feet (12 meters) long, install an Alarm at each end.
 At the top of the first-to-second level stairway, and at bottom of basement stairway.

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O9 AGENCY PLACEMENT RECOMMENDATIONS

 ${\sf NFPA~72~CHAPTER~29~"FOR~YOUR~INFORMATION,~THE~NATIONAL~FIRE~ALARM~AND~SIGNALING~CODE,~NFPA~72,}\\$

5. *In the living area(s) of a guest suite

29.5.1* Required Detection

 $29.5.1.1^{\star}\,\text{Where required by other governing laws, codes, or standards for a specific type of occupancy, approved single}$ and multiple-station Smoke Alarms shall be installed as follows:

- 1. *In all sleeping rooms and guest rooms 2. *Outside of each separate dwelling unit sleeping area, within 21 ft (6.4 m) of any door to a sleeping room, with the distance measured along a path of travel
- 3. On every level of a dwelling unit, including basements
- 4. On every level of a residential board and care occupancy (small facility), including basements and excluding crawl spaces and unfinished attics
- 6. In the living area(s) of a residential board and care occupancy (small facility)
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Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety). (National Fire Alarm and Signaling Code® and NFPA 72® are registered trademarks of the National Fire Protection Association, Inc., Quincy, MA 02269).

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This Smoke Alarm is suitable for use in apartments, condominiums, townhouses, hospitals, day care facilities, health care facilities, boarding houses, group homes and dormitories provided a primary fire detection system already exists to meet fire detection requirements in common areas like lobbies, hallways, or porches. Using this Smoke Alarm in common areas may not provide sufficient warning to all residents or meet local fire protection ordinances/regulations.

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FCC COMPLIANCE

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- Reorient or relocate the receiving antenna.
 Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that of the receiver.
- Consult the dealer or an experienced radio or TV technician for help.

▲ WARNING!

Changes or modifications to the product, not expressly approved by First Alert, could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including

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Smoke Alarms have played a key role in reducing deaths resulting from home fires worldwide. However, like any warning device, Smoke Alarms can only work if they are properly located, installed, and maintained, and if smoke reaches them Smoke Alarms may not waken all individuals. Practice the escape plan at least twice a year, making sure that

everyone is involved – from kids to grandparents. Allow children to master fire escape planning and practice before holding a fire drill at night when they are sleeping. If children or others do not readily waken to the sound of the Smoke Alarm, or if there are infants or family members with mobility limitations, make sure that someone is assigned to assist

them in fire drill and in the event of an emergency. It is recommended that you hold a fire drill while family members are sleeping in order to determine their response to the sound of the Smoke Alarm while sleeping and to determine whether they may need assistance in the event of an emergency. Smoke Alarms cannot work without power. Battery operated units cannot work if the batteries are missing, disconnected or dead, if the wrong type of batteries are used, or if the batteries are not installed correctly. AC units cannot vork if the AC power is cut off for any reason (open fuse or circuit breaker, failure along a power line or at a pov station, electrical fire that burns the electrical wires, etc.). If you are concerned about the limitations of battery or AC

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unit should be installed inside each bedroom or sleeping area—especially if bedroom or sleeping area doors are closed at night—and in the hallway between them.

Smoke Alarms may not detect fire on another level or area of the home. For example, a stand-alone unit on the second level may not detect smoke from a basement fire until the fire spreads. This may not give you enough time to escape safety. That is why recommended minimum protection is at least one unit in every sleening area, and every bedroom on every level of your home. Even with a unit on every level, stand-alone units may not provide as much protection as interconnected units, especially if the fire starts in a remote area. Some safety experts recommend installing nterconnected AC powered units with battery back-up (see "About Smoke Alarms") or professional fire detection systems, so if one unit senses smoke, all units Alarm. Interconnected units may provide earlier warning than stand-alone units since all units Alarm when one detects smoke.

Smoke Alarms may not be heard. Though the Alarm horn in this unit meets or exceeds current standards, it may not be heard if: 1) the unit is located outside a closed or partially closed door, 2) residents recently consumed alcohol or drugs,

3) the Alarm is drowned out by noise from stereo, TV, traffic, air conditioner or other appliances, 4) residents are hearing impaired or sound sleepers. Special purpose units, like those with visual and audible Alarms, should be installed for hearing impaired residents The Alarm may not have time to Alarm before the fire itself causes damage, injury, or death, since smoke from some fires may not reach the unit immediately. Examples of this include persons smoking in bed, children

playing with matches, when a person's clothing catches fire while cooking, fires caused by violent explosions resulting from escaping gas, or incendiary fires where the fire grows so rapidly that an occupant's egress is blocked even with properly located Smoke Alarms. Smoke Alarms are not foolproof. Like any electronic device, Smoke Alarms are made of components that can wear out or fail at any time. You must test the unit weekly to ensure your continued protection. Smoke Alarms cannot prevent or

Smoke Alarms have a limited life. The unit should be replaced immediately if it is not operating properly. You should always replace a Smoke Alarm after 10 years from date of purchase. Write the purchase date on the space provided

extinguish fires. They are not a substitute for property or life insurance.

12 LIMITED WARRANTY

First Alert® brand products warrants that for a period of ten years from the date of purchase, this product will be free from defects in material and workmanship. First Alert, at its option, will repair or replace this product or any component noin detects in material and waterials. This creating it is popular, with eight of replace this product or any of the product found to be defective during the warranty period. Replacement will be made with a new or remanufacture product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. First Alert dealers, service enters, or retail stores selling First Alert products do not have the right to alter, modify or any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, use contrary to the operating instructions, disassembly, r or alteration by anyone other than First Alert or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes.

First Alert shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. Some states, provinces or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province

HOW TO OBTAIN WARRANTY SERVICE

Service: If service is required, do not return the product to your retailer. In order to obtain warranty service, contact the Consumer Support Team at 1-800-323-9005. To assist us in serving you, please have the model number and date of purchase available when calling.

Disposal: Please follow local guidelines regarding the disposal or recycling of batteries and/or electronics. The Alarm should be deactivated before disposal. See, "To Permanently Deactivate the Smoke Alarm"

firstalert.com

For your records, please record: Replace Alarm 10 years after installation Date Purchased: Please write the date in the space provided: Where Purchased: Month/Year Date Installed: ____

The Alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit.

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The Low Battery Signal can be silenced up to 8 hours. Do not deactivate the Alarm until you get replacement.

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Smoke Alarms may not detect fire on another level or area of the home. For example, a stand-alone unit on the second level may not detect smoke from a basement fire until the fire spreads. This may not give you enough time to escape safety. That is why recommended minimum protection is at least one unit in every sleening area, and every bedroom on every level of your home. Even with a unit on every level, stand-alone units may not provide as much protection as interconnected units, especially if the fire starts in a remote area. Some safety experts recommend installing nterconnected AC powered units with battery back-up (see "About Smoke Alarms") or professional fire detection systems, so if one unit senses smoke, all units Alarm. Interconnected units may provide earlier warning than stand-alone units since all units Alarm when one detects smoke.

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some fires may not reach the unit immediately. Examples of this include persons smoking in bed, children playing with matches, when a person's clothing catches fire while cooking, fires caused by violent explosions resulting from escaping gas, or incendiary fires where the fire grows so rapidly that an occupant's egress is blocked even with properly located Smoke Alarms.

The Alarm may not have time to Alarm before the fire itself causes damage, injury, or death, since smoke from

Smoke Alarms are not foolproof. Like any electronic device, Smoke Alarms are made of components that can wear out or fail at any time. You must test the unit weekly to ensure your continued protection. Smoke Alarms cannot prevent or extinguish fires. They are not a substitute for property or life insurance.

Smoke Alarms have a limited life. The unit should be replaced immediately if it is not operating properly. You should always replace a Smoke Alarm after 10 years from date of purchase. Write the purchase date on the space provided

12 LIMITED WARRANTY

First Alert® brand products warrants that for a period of ten years from the date of purchase, this product will be free from defects in material and workmanship. First Alert, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. First Alert dealers, service centers, or retail stores selling First Alert products do not have the right to alter, modify or any way change the terms and conditions of this warranty.

This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use on improper voltage or current, use contrary to the operating instructions, disa or alteration by anyone other than First Alert or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes

First Alert shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. Some states, provinces or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state or province to province

HOW TO OBTAIN WARRANTY SERVICE

Service: If service is required, do not return the product to your retailer. In order to obtain warranty service, contact the Consumer Support Team at 1-800-323-9005. To assist us in serving you, please have the model number and date of purchase available when calling.

Disposal: Please follow local guidelines regarding the disposal or recycling of batteries and/or electronics. The Alarm should be deactivated before disposal. See, "To Permanently Deactivate the Smoke Alarm"

Replace Alarm 10 years after installation For your records, please record: Date Purchased: Please write the date in the space provided: Where Purchased: Month/Year Date Installed:

The Alarm will also provide an audible End-of-Life Signal approximately 10 years after installation to remind you to replace the unit.

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The Low Battery Signal can be silenced up to 8 hours. Do not deactivate the Alarm until you get replacement.

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